

## Refine Search

Your wildcard search against 10000 terms has yielded the results below.

*Your result set for the last L# is incomplete.*

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

### Search Results -

Terms	Documents
L3 and (3 with substitut\$)	173

**Database:**  
US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:** L4    
  

### Search History

DATE: Wednesday, June 30, 2004 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR</i>			
<u>L4</u>	L3 and (3 with substitut\$)	173	<u>L4</u>
<u>L3</u>	L2 and 11	192	<u>L3</u>
<u>L2</u>	(sugar or pentose) and (3 with o)	39899	<u>L2</u>
<u>L1</u>	cpg and (electron adj withdrawing)	281	<u>L1</u>

END OF SEARCH HISTORY

File 5:Biosis Previews(R) 1969-2004/Jun W3  
(c) 2004 BIOSIS  
File 6:NTIS 1964-2004/Jun W4  
(c) 2004 NTIS, Intl Cpyrght All Rights Res  
File 8:EI Compendex(R) 1970-2004/Jun W3  
(c) 2004 Elsevier Eng. Info. Inc.  
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Jun W4  
(c) 2004 Inst for Sci Info  
File 65:Inside Conferences 1993-2004/Jun W4  
(c) 2004 BLDSC all rts. reserv.  
File 71:ELSEVIER BIOBASE 1994-2004/Jun W3  
(c) 2004 Elsevier Science B.V.  
File 73:EMBASE 1974-2004/Jun W3  
(c) 2004 Elsevier Science B.V.  
File 94:JICST-EPlus 1985-2004/Jun W1  
(c) 2004 Japan Science and Tech Corp (JST)  
File 98:General Sci Abs/Full-Text 1984-2004/Jun  
(c) 2004 The HW Wilson Co.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/May  
(c) 2004 The HW Wilson Co.  
File 135:NewsRx Weekly Reports 1995-2004/Jun W3  
(c) 2004 NewsRx  
File 143:Biol. & Agric. Index 1983-2004/May  
(c) 2004 The HW Wilson Co  
File 144:Pascal 1973-2004/Jun W3  
(c) 2004 INIST/CNRS  
File 155:MEDLINE(R) 1966-2004/Jun W2  
(c) format only 2004 The Dialog Corp.  
File 172:EMBASE Alert 2004/Jun W3  
(c) 2004 Elsevier Science B.V.  
File 266:FEDRIP 2004/Apr  
Comp & dist by NTIS, Intl Copyright All Rights Res  
File 315:ChemEng & Biotec Abs 1970-2004/May  
(c) 2004 DECHEMA  
File 357:Derwent Biotech Res. \_1982-2004/Jun W4  
(c) 2004 Thomson Derwent & ISI  
File 358:Current BioTech Abs 1983-2004/May  
(c) 2004 DECHEMA  
File 369:New Scientist 1994-2004/Jun W3  
(c) 2004 Reed Business Information Ltd.  
File 370:Science 1996-1999/Jul W3  
(c) 1999 AAAS  
File 399:CA SEARCH(R) 1967-2004/UD=14101  
(c) 2004 American Chemical Society  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 40:Enviroline(R) 1975-2004/May  
File 50:CAB Abstracts 1972-2004/May  
(c) 2004 CAB International  
File 103:Energy SciTec 1974-2004/Jun B2  
(c) 2004 Contains copyrighted material  
File 156:ToxFile 1965-2004/May W5  
(c) format only 2004 The Dialog Corporation  
File 162:Global Health 1983-2004/May  
(c) 2004 CAB International  
File 305:Analytical Abstracts 1980-2004/Jun W3  
(c) 2004 Royal Soc Chemistry  
File 35:Dissertation Abs Online 1861-2004/May  
(c) 2004 ProQuest Info&Learning  
File 48:SPORTDiscus 1962-2004/Jun  
(c) 2004 Sport Information Resource Centre  
File 91:MANTIS(TM) 1880-2004/Jul  
2001 (c) Action Potential  
File 149:TGG Health&Wellness DB(SM) 1976-2004/Jun W3  
(c) 2004 The Gale Group  
File 159:Cancerlit 1975-2002/Oct  
(c) format only 2002 Dialog Corporation

File 5:Biosis Previews(R) 1969-2004/Jun W3  
(c) 2004 BIOSIS  
File 6:NTIS 1964-2004/Jun W4  
(c) 2004 NTIS, Intl Cpyrht All Rights Res  
File 8:EI Compendex(R) 1970-2004/Jun W3  
(c) 2004 Elsevier Eng. Info. Inc.  
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Jun W4  
(c) 2004 Inst for Sci Info  
File 65:Inside Conferences 1993-2004/Jun W4  
(c) 2004 BLDSC all rts. reserv.  
File 71:ELSEVIER BIOBASE 1994-2004/Jun W3  
(c) 2004 Elsevier Science B.V.  
File 73:EMBASE 1974-2004/Jun W3  
(c) 2004 Elsevier Science B.V.  
File 94:JICST-EPlus 1985-2004/Jun W1  
(c) 2004 Japan Science and Tech Corp (JST)  
File 98:General Sci Abs/Full-Text 1984-2004/Jun  
(c) 2004 The HW Wilson Co.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/May  
(c) 2004 The HW Wilson Co.  
File 135:NewsRx Weekly Reports 1995-2004/Jun W3  
(c) 2004 NewsRx  
File 143:Biol. & Agric. Index 1983-2004/May  
(c) 2004 The HW Wilson Co  
File 144:Pascal 1973-2004/Jun W3  
(c) 2004 INIST/CNRS  
File 155:MEDLINE(R) 1966-2004/Jun W2  
(c) format only 2004 The Dialog Corp.  
File 172:EMBASE Alert 2004/Jun W3  
(c) 2004 Elsevier Science B.V.  
File 266:FEDRIP 2004/Apr  
Comp & dist by NTIS, Intl Copyright All Rights Res  
File 315:ChemEng & Biotec Abs 1970-2004/May  
(c) 2004 DECHEMA  
File 357:Derwent Biotech Res. \_1982-2004/Jun W4  
(c) 2004 Thomson Derwent & ISI  
File 358:Current BioTech Abs 1983-2004/May  
(c) 2004 DECHEMA  
File 369:New Scientist 1994-2004/Jun W3  
(c) 2004 Reed Business Information Ltd.  
File 370:Science 1996-1999/Jul W3  
(c) 1999 AAAS  
File 399:CA SEARCH(R) 1967-2004/UD=14101  
(c) 2004 American Chemical Society  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 40:Enviroline(R) 1975-2004/May  
File 50:CAB Abstracts 1972-2004/May  
(c) 2004 CAB International  
File 103:Energy SciTec 1974-2004/Jun B2  
(c) 2004 Contains copyrighted material  
File 156:ToxFile 1965-2004/May W5  
(c) format only 2004 The Dialog Corporation  
File 162:Global Health 1983-2004/May  
(c) 2004 CAB International  
File 305:Analytical Abstracts 1980-2004/Jun W3  
(c) 2004 Royal Soc Chemistry  
File 35:Dissertation Abs Online 1861-2004/May  
(c) 2004 ProQuest Info&Learning  
File 48:SPORTDiscus 1962-2004/Jun  
(c) 2004 Sport Information Resource Centre  
File 91:MANTIS(TM) 1880-2004/Jul  
2001 (c) Action Potential  
File 149:TGG Health&Wellness DB(SM) 1976-2004/Jun W3  
(c) 2004 The Gale Group  
File 159:Cancerlit 1975-2002/Oct  
(c) format only 2002 Dialog Corporation

File 164:Allied & Complementary Medicine 1984-2004/May

(c) 2004 BLHCIS

File 444:New England Journal of Med. 1985-2004/Jun W4

(c) 2004 Mass. Med. Soc.

File 467:ExtraMED(tm) 2000/Dec

(c) 2001 Informania Ltd.

Set	Items	Description
S1	0	(CPG SAME OLIGONUCLEOTIDE?) AND (3 SUBSTITUT?)
S2	0	(CPG SAME OLIGONUCLEOTIDE?) AND (3 WITH SUBSTITUT?)
S3	6	(CPG (S) OLIGONUCLEOTIDE?) AND (3 (W) SUBSTITUT?)
S4	2	RD (unique items)
S5	4	CPG (S) (ELECTRON (W) WITHDRAW?)
S6	2	RD (unique items)
S7	4175	3 (S) SUBSTITUT? (S) (SUGAR OR PENTOSE)
S8	17	S7 AND (CPG (S) OLIGONUCLEOTIDE?)
S9	17	RD (unique items)

S9 17 RD (unique items)  
?show files;ds;t/3,k/all  
File 5:Biosis Previews(R) 1969-2004/Jun W3  
    (c) 2004 BIOSIS  
File 6:NTIS 1964-2004/Jun W4  
    (c) 2004 NTIS, Intl Cpyrght All Rights Res  
File 8:EI Compendex(R) 1970-2004/Jun W3  
    (c) 2004 Elsevier Eng. Info. Inc.  
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Jun W4  
    (c) 2004 Inst for Sci Info  
File 65:Inside Conferences 1993-2004/Jun W4  
    (c) 2004 BLDSC all rts. reserv.  
File 71:ELSEVIER BIOBASE 1994-2004/Jun W3  
    (c) 2004 Elsevier Science B.V.  
File 73:EMBASE 1974-2004/Jun W3  
    (c) 2004 Elsevier Science B.V.  
File 94:JICST-EPlus 1985-2004/Jun W1  
    (c) 2004 Japan Science and Tech Corp (JST)  
File 98:General Sci Abs/Full-Text 1984-2004/Jun  
    (c) 2004 The HW Wilson Co.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/May  
    (c) 2004 The HW Wilson Co.  
File 135:NewsRx Weekly Reports 1995-2004/Jun W3  
    (c) 2004 NewsRx  
File 143:Biol. & Agric. Index 1983-2004/May  
    (c) 2004 The HW Wilson Co  
File 144:Pascal 1973-2004/Jun W3  
    (c) 2004 INIST/CNRS  
File 155:MEDLINE(R) 1966-2004/Jun W2  
    (c) format only 2004 The Dialog Corp.  
File 172:EMBASE Alert 2004/Jun W3  
    (c) 2004 Elsevier Science B.V.  
File 266:FEDRIP 2004/Apr  
    Comp & dist by NTIS, Intl Copyright All Rights Res  
File 315:ChemEng & Biotec Abs 1970-2004/May  
    (c) 2004 DECHEMA  
File 357:Derwent Biotech Res. \_1982-2004/Jun W4  
    (c) 2004 Thomson Derwent & ISI  
File 358:Current BioTech Abs 1983-2004/May  
    (c) 2004 DECHEMA  
File 369:New Scientist 1994-2004/Jun W3  
    (c) 2004 Reed Business Information Ltd.  
File 370:Science 1996-1999/Jul W3  
    (c) 1999 AAAS  
File 399:CA SEARCH(R) 1967-2004/UD=14101  
    (c) 2004 American Chemical Society  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
    (c) 1998 Inst for Sci Info  
File 40:Enviroline(R) 1975-2004/May  
File 50:CAB Abstracts 1972-2004/May  
    (c) 2004 CAB International  
File 103:Energy SciTec 1974-2004/Jun B2  
    (c) 2004 Contains copyrighted material  
File 156:ToxFile 1965-2004/May W5  
    (c) format only 2004 The Dialog Corporation  
File 162:Global Health 1983-2004/May  
    (c) 2004 CAB International  
File 305:Analytical Abstracts 1980-2004/Jun W3  
    (c) 2004 Royal Soc Chemistry  
File 35:Dissertation Abs Online 1861-2004/May  
    (c) 2004 ProQuest Info&Learning  
File 48:SPORTDiscus 1962-2004/Jun  
    (c) 2004 Sport Information Resource Centre  
File 91:MANTIS(TM) 1880-2004/Jul  
    2001 (c) Action Potential  
File 149:TGG Health&Wellness DB(SM) 1976-2004/Jun W3  
    (c) 2004 The Gale Group

File 159:Cancerlit 1975-2002/Oct  
(c) format only 2002 Dialog Corporation  
File 164:Allied & Complementary Medicine 1984-2004/May  
(c) 2004 BLHCIS  
File 444:New England Journal of Med. 1985-2004/Jun W4  
(c) 2004 Mass. Med. Soc.  
File 467:ExtraMED(tm) 2000/Dec  
(c) 2001 Informania Ltd.

Set	Items	Description
S1	0	(CPG SAME OLIGONUCLEOTIDE?) AND (3 SUBSTITUT?)
S2	0	(CPG SAME OLIGONUCLEOTIDE?) AND (3 WITH SUBSTITUT?)
S3	6	(CPG (S) OLIGONUCLEOTIDE?) AND (3 (W) SUBSTITUT?)
S4	2	RD (unique items)
S5	4	CPG (S) (ELECTRON (W) WITHDRAW?)
S6	2	RD (unique items)
S7	4175	3 (S) SUBSTITUT? (S) (SUGAR OR PENTOSE)
S8	17	S7 AND (CPG (S) OLIGONUCLEOTIDE?)
S9	17	RD (unique items)

>>>KWIC option is not available in file(s): 399

**9/3,K/1 (Item 1 from file: 98)**  
DIALOG(R)File 98:General Sci Abs/Full-Text  
(c) 2004 The HW Wilson Co. All rts. reserv.

03796043 H.W. WILSON RECORD NUMBER: BGSI98046043 (USE FORMAT 7 FOR FULLTEXT)

**Modified oligonucleotides: synthesis and strategy for users.**

AUGMENTED TITLE: review

Verma, Sandeep

Eckstein, Fritz

Annual Review of Biochemistry (Annu Rev Biochem) v. 67 ('98) p. 99-134

SPECIAL FEATURES: bibl il ISSN: 0066-4154

LANGUAGE: English

COUNTRY OF PUBLICATION: United States

WORD COUNT: 14342

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... ribozyme (193); the importance of the stem-loop II; and the importance of conserved U residues in the catalytic core of hammerhead ribozyme (194, 195).

#### \*SUGAR\* MODIFICATION

The 2'-deoxyfuranose ring in oligodeoxynucleotides can adopt C'\*3\*-endo and C'\*3\*-exo as two major, interchangeable conformations, whereas the C'\*3\*-endo \*sugar\* ring conformation is maintained in oligoribonucleotides (196). The electronegativity of the 2'-substituent has a profound effect on the \*sugar\* conformation, and as a result of such \*substitution\*, the population of C'\*3\*-endo conformer increases with an increase in the electronegativity. Several \*sugar\* modifications, primarily at the 2'-position, have been described, and there has been renewed interest in oligoribonucleotides containing such modifications to generate nuclease-resistant RNA...

...been reported (209). However, enzymatic incorporation of 2'-mercapto group-containing modified nucleotides remains to be established.

2'-Fluoro- and 2'-difluoro-2'-deoxyuridine--containing \*oligonucleotides\* have been used to investigate the mechanism of human G/T glycosylase (210). The modified \*oligonucleotides\* resisted the excision repair activity of the enzyme and resulted in the formation of a tight-binding DNA-glycosylase complex. Based on these observations, a rationale for preferential repair of deaminated \*CpG\* sites was presented.

When a variety of selection protocols were employed, high-affinity nucleic acid aptamers were isolated. These aptamers can recognize a wide range...

File 164:Allied & Complementary Medicine 1984-2004/May

(c) 2004 BLHCIS

File 444:New England Journal of Med. 1985-2004/Jun W4

(c) 2004 Mass. Med. Soc.

File 467:ExtraMED(tm) 2000/Dec

(c) 2001 Informania Ltd.

Set	Items	Description
S1	0	(CPG SAME OLIGONUCLEOTIDE?) AND (3 SUBSTITUT?)
S2	0	(CPG SAME OLIGONUCLEOTIDE?) AND (3 WITH SUBSTITUT?)
S3	6	(CPG (S) OLIGONUCLEOTIDE?) AND (3 (W) SUBSTITUT?)
S4	2	RD (unique items)
S5	4	CPG (S) (ELECTRON (W) WITHDRAW?)
S6	2	RD (unique items)

>>>KWIC option is not available in file(s): 399

**6/3,K/1 (Item 1 from file: 5)**

DIALOG(R)File 5:Biosis Previews(R)

(c) 2004 BIOSIS. All rts. reserv.

0006609180 BIOSIS NO.: 198987057071

**STRUCTURAL REQUIREMENTS OF SALICYLANILIDES FOR UNCOUPLING ACTIVITY IN  
MITOCHONDRIA QUANTITATIVE ANALYSIS OF STRUCTURE-UNCOUPLING RELATIONSHIPS**

AUTHOR: TERADA H (Reprint); GOTO S; YAMAMOTO K; TAKEUCHI I; HAMADA Y;  
MIYAKE K

AUTHOR ADDRESS: FAC PHARM SCI, UNIV TOKUSHIMA, SHOMACHI-1, TOKUSHIMA 770,  
JPN\*\*JAPAN

JOURNAL: Biochimica et Biophysica Acta 936 (3): p504-512 1988

ISSN: 0006-3002

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

...ABSTRACT:  $k'$  correlated well with those of log Poct. The uncoupling activities of the salicylanilides were analyzed in terms of these three parameters. Both hydrophobic and \*electron-\*withdrawing\* properties were found to be essential for induction of potent uncoupling activity. The correlations using log  $k'$  were better than those using log Poct.

**6/3,K/2 (Item 1 from file: 357)**

DIALOG(R)File 357:Derwent Biotech Res.

(c) 2004 Thomson Derwent & ISI. All rts. reserv.

0301185 DBR Accession No.: 2003-02970 PATENT

**Administering a CpG-containing immune stimulating oligonucleotide as well as an anti-IgE antibody enhances the antibody dependent cellular cytotoxicity effect and is useful to treat IgE-mediated allergic diseases - immunostimulant for use in allergy therapy**

AUTHOR: CHANG N T

PATENT ASSIGNEE: CHANG N T 2002

PATENT NUMBER: US 20020102255 PATENT DATE: 20020801 WPI ACCESSION NO.:  
2002-682011 (200273)

PRIORITY APPLIC. NO.: US 682562 APPLIC. DATE: 20010920

NATIONAL APPLIC. NO.: US 682562 APPLIC. DATE: 20010920

LANGUAGE: English

...ABSTRACT: but does not induce histamine release and an immune stimulating oligonucleotide (ISO) to a mammal, is new. BIOTECHNOLOGY - Preferred Method: The ISO is preferably a \*CpG\* -containing oligonucleotide, or a modified \*CpG\*-containing oligonucleotide with an \*electron-\*withdrawing\* group at least at position C-5 of the cytosine in the \*CpG\* sequence. Preferably the oligonucleotide has the formula 5'-NDCHN-3' where N is any nucleotide, D is any nucleotide other than cytosine and H is...  
... region, and is more preferably Hu-901, E25, E26 or E27. An allergen is preferably also administered, particularly where the allergen is